Schroud Site
Chicago, Illinois

History

- The Schroud Site is a 55 acre parcel located at 2000 East 130th Street in Chicago, Illinois. The site was used as an inorganic landfill from 1971 to 1977. Steel mill slag was deposited at the site prior to landfilling operations. The site is next door to the Ford Redevelopment Site that the City of Chicago has been working hard to redevelop.

- The City of Chicago Department of Environment conducted a Phase I environmental site assessment at the site because of concerns about potential site-related health hazardous to nearby residences and possible impacts to Wolf Creek, a major tributary to Wolf Lake. The Phase I was completed on June 11, 1999, and recommended subsurface soil and groundwater sampling.

- In the fall of 1999, Carlson Env. conducted a site assessment consisting of soil and groundwater sampling at the site. Soil samples were collected predominantly from the northern portion of the site at depths ranging from 2-12 feet. Samples collected from a redish layer failed the TCLP for cadmium, lead, and selenium (see attached table).

- On June 28, 2002, the City of Chicago referred the site to U.S. EPA for a time-critical removal assessment. They were concerned about the potential health hazards to near by residences and environmental impacts to Wolf Creek. The photos that were sent to us by the City revealed a red dust at the Site which the City thought may contain high levels of metals that could be dispersed into the air.

- EPA contacted Mr. Donald Schroud to obtain access to the property. Mr. Schroud apparently bought the property for redevelopment purposes a number of years ago. Apparently, the City has had negotiations in the past with Mr. Schroud regarding his parcel but those have been very strained. When we contacted him, he told us he thought that the City was out to bankrupt him and take the property from him and was generally very angry with the regulatory bodies. Mr. Schroud ultimately agreed to allow us access and on Sep. 19, 2002, EPA took 12 samples from the Site under the direction of former OSC, Mike Collins to evaluate potential threats associated with direct contact with on-site soils. The START contractor has prepared a draft Site Assessment Report.

- When former OSC Collins left the Agency, the site was reassigned to OSC Ribordy. Several deficiencies were found in the report:
  - It was unclear whether the red material in the City photos was ever sampled;
  - No evaluation of Wolf Creek; and
  - Risk screening based on TCLP results.

- EPA contacted Mr. Schroud recently to gain access to resolve these deficiencies.

TABLE A
TCLP Metals Analyses - Soil Samples
Schroud Property Site
Chicago, Cook County, Illinois

Sample Location	GP-245C	GP-246C	GP-262C	GP-263CB	GP-265C	TP-3	TP-4	TP-6	TP-7	TP-9	TP-14	TCLP Regulatory Levels** (mg/L)
Sample Date*	10/12/99	10/12/99	10/12/99	10/12/99	10/12/99	11/8/99	11/8/99	11/8/99	11/8/99	11/8/99	11/30/99	Not Applicable
Sample Depth (ft)	4-6	4-6	4-6	2-4	4-6	4-6	2-7	6-10	8-12	6-12	6-12	Not Applicable
Cadmium (mg/L)	4	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0
Lead (mg/L)	53	110	48	110	17	79	30	46	69	9.6	26	5.0
Selenium (mg/L)	4.4	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.0061	1.0

Notes:
* = All soil samples were collected by Carlson Environmental, Inc.
** = *Code of Federal Regulations* Title 40, Section 261.24, Table 1, "Toxicity Characteristic Constituents and Regulatory Levels"
ft = feet
mg/L = milligrams per liter
NA = not available
ND = not detected
TCLP = toxicity characteristic leaching procedure

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
SCHROUD PROPERTY SITE
CHICAGO, COOK COUNTY, ILLINOIS

	Sample Identification No. and Analytical Laboratory Method											
Metal	**S-01 Total (mg/kg)**	**S-01 TCLP (mg/L)**	**S-02 Total (mg/kg)**	**S-02 TCLP (mg/L)**	**S-03 Total (mg/kg)**	**S-03 TCLP (mg/L)**	**D-03 Total (mg/kg)**	**D-03 TCLP (mg/L)**	**S-04 Total (mg/kg)**	**S-04 TCLP (mg/L)**	**S-05 Total (mg/kg)**	**S-05 TCLP (mg/L)**
Aluminum	14,000	NA	12,000	NA	11,000	NA	14,000	NA	8,900	NA	7,300	NA
Barium	200	0.797	140	0.516	150	0.683	160	0.714	130	0.789	95	0.593
Beryllium	0.84	NA	0.10U	NA	0.14U	NA	0.13U	NA	0.52	NA	0.16	NA
Cadmium	4.3	0.011	2.0U	0.010U	7.0	0.021	5.5	0.019	2.8U	0.010U	2.0U	0.010U
Calcium	210,000	NA	260,000	NA	180,000	NA	210,000	NA	190,000	NA	96,000	NA
Chromium	2,900	0.030U	5,100	0.030U	3,400	0.030U	3,200	0.030U	2,100	0.030U	1,700	0.030U
Cobalt	2.9U	NA	2.5	NA	6.6	NA	4.5	NA	4.0	NA	4.7	NA
Copper	95	NA	83	NA	110	NA	110	NA	73	NA	69	NA
Iron	200,000	NA	190,000	NA	200,000	NA	160,000	NA	160,000	NA	99,000	NA
Lead	410	0.100U	210	0.100U	610	0.100U	370	0.100U	920	0.100U	300	0.100U
Magnesium	34,000	NA	31,000	NA	37,000	NA	25,000	NA	26,000	NA	12,000	NA
Manganese	38,000	NA	39,000	NA	30,000	NA	32,000	NA	29,000	NA	16,000	NA
Mercury	0.06	NA	0.10U	NA	0.05	NA	0.08	NA	0.10U	NA	0.05	NA
Nickel	49	NA	93	NA	110	NA	110	NA	56	NA	63	NA
Potassium	380	NA	250U	NA	360U	NA	340U	NA	350U	NA	250U	NA
Silver	1.7	0.020U	2.5	0.020U	2.3	0.020U	1.6	0.020U	1.4U	0.020U	1.0U	0.020U
Sodium	310	NA	240	NA	290U	NA	540	NA	280U	NA	200U	NA
Strontium	170	NA	110	NA	86	NA	100	NA	140	NA	56	NA
Titanium	1,900	NA	1,400	NA	1,200	NA	1,500	NA	1,200	NA	730	NA
Vanadium	290	NA	400	NA	230	NA	300	NA	210	NA	130	NA
Zinc	220	NA	100	NA	270	NA	230	NA	150	NA	170	NA